## PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING	AUTHOR	ΪΤΥ					
To: GEOFFREY L. MELNICK G.E. EHRLICH (1995) LTD. 11 MENACHEM BEGIN STREET RAMAT-GAN, 52 524 ISRAEL			PCT  WRITTEN OPINION OF THE				
NOVE			INTERNATIONAL SEARCHING AUTHORITY				
			(PCT Rule 43bis.1)				
			Date of mailing (day/month/yea				
Applicant's or agent's file reference 29153			FOR FURTHER ACTION See paragraph 2 below				
International application No.	Inte	ernational filing date					
PCT/IL05/00197	17	ebruary 2005 (17.02.2005)		17 February 2004 (17.02.2004)			
International Patent Classification (	IPC) or bo	th national classificat	ion and IPC	17 Testuary 2004 (17.02.2004)			
IPC: A61K 31/715( 2006.01);. USPC: 514/53,54,23;536/17.5,2	401N 43/0	4( 2006.01);C07H 1	5/00( 2006.01)				
Applicant	1,00.2		· · · · · · · · · · · · · · · · · · ·				
YEDA RESEARCH AND DEVEL	OPMENT	CO. LTD.					
1 This opinion contains in direction							
1. This opinion contains indication	is relating	to the following item	s:				
Box No. I Basis o	f the opini	ion					
Box No. II Priorit	,			•			
Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability							
i l	Lack of unity of invention						
Box No. V Reason applica	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
1 3	document						
Box No. VII Certain	rtain defects in the international application						
		ns on the internationa					
			ar approaction				
2. FURTHER ACTION  If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.							
mailing of Form PCT/ISA/220 o	t before the	e expiration of 22 mo	dments hefore t	PEA, the applicant is invited to submit to the he expiration of 3 months from the date of ority date, whichever expires later.			
For further options, see Form PC	T/ISA/220	).	•	enprior tatet.			
3. For further details, see notes to Form PCT/ISA/220.							
Name and mailing address of the ISA/ US Date of compl			n of this	Authorized officer			
Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450	opinion		Devesh Khare A. Roberts for				
Alexandria. Virginia 22313-145 acsimile No. (571) 273-3201	)	05 September 2000	5 (05.09.2006)	Telephone No. (571) 272-1600			
rm PCT/ICA :227 (2000 about 4	2000	1					

Form PCT/ISA/237 (cover sheet) (April 2005

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/IL05/00197

Box No. I Basis of this opinion							
1. With regard to the language, this opinion has been established on the basis of:							
the international application in the language in which it was filed							
a translation of the international application into, which is the language of a translation furnished for the purpose international search (Rules 12.3(a) and 23.1(b)).	s of						
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:							
a. type of material							
a sequence listing							
table(s) related to the sequence listing							
b. format of material							
on paper							
in electronic form							
c. time of filing/furnishing							
contained in the international application as filed.							
filed together with the international application in electronic form.							
furnished subsequently to this Authority for the purposes of search.							
In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has bee filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that it the application as filed or does not go beyond the application as filed, as appropriate, were furnished.	n n						
4. Additional comments:							
	1						
	- 1						
DCT//CA 022/D AV D							

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/IL05/00197

	p. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
indus	questions whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or to be trially applicable have not been examined in respect of:
	the entire international application
$\boxtimes$	claims Nos. <u>15-21</u>
becau	se:
	the said international application, or the said claim Nos relate to the following subject matter which does not require an international search (specify):
	the description, claims or drawings (indicate particular elements below) or said claims Nos are so unclear that no meaningful opinion could be formed (specify):
	the claims, or said claims Nos are so inadequately supported by the description that no meaningful opinion could be formed (specify):
$\boxtimes$	no international search report has been established for said claims Nos. 15-21
	a meaningful opinion could not be formed without the sequence listing; the applicant did not, within the prescribed time limit:
	furnish a sequence listing on paper complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.
	furnish a sequence listing in electronic form complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.
	pay the required late furnishing fee for the furnishing of a sequence listing in response to an invitation under Rules 13ter. 1(a) or (b).
1	meaningful opinion could not be formed without the tables related to the sequence listings; the applicant did not, within the prescribed time limit, furnish such tables in electronic form complying with the technical requirements provided for in Annex C-bis of the Administrative Instructions, and such tables were not available to the International Searching Authority in a form and manner acceptable to it.
ll tl	ne tables related to the nucleotide and/or amino acid sequence listing, if in electronic form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.
	ee Supplemental Box for further details.
n PCT/IS	A/237 (Box No. III) (April 2005)

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/IL05/00197

INTERNATIONAL SEARCHING AU	THORE	TY			
Box No. V Reasoned statement under Rule 43 applicability; citations and explanation	bis.1(a)(i ons supp	) with regard to orting such state	novelty, in ement	ventive step or	r industrial
1. Statement					
Novelty (N)	Claims	1-14 and 22-54			YES
	Claims	NONE	<del></del>		NO
Inventive step (IS)	Claims	NONE			YES
	Claims	1-14 and 22-54			NO
Industrial applicability (IA)	Claims	1-14 and 22-54			YES
	Claims	NONE			NO
2. Citations and explanations:					· · · · · · · · · · · · · · · · · · ·
Claims 1-14 and 22-54 lack an inventive step under PCT ('207).	Article 33	3(3) as being obviou	us over US 4	,882,318('318) a	nd US 6,750,207
The '318 patent teaches heparin and its derivatives used decreasing the metastasis of the tumor especially lung can and its derivatives between 50-500 ug/kg/day (claim 1).	ful in the	treatment of turnor act and col. I-2). The	r by inhibiting he '318 paten	g heparanase acti t discloses the de	ivity and thereby osage of heparin
The '207 patent teaches pharmaceutical preparations of treatment of pathological processes involving the induction represented by the instant claims is disclosed(col.10, lines disclosed (col.12).	of active	TNF-a secretion (	col.8. lines 6	4-67) The disac	charide

Claims 1-14 and 22-54 have industrial applicability as defined by PCT Article 33(4).